

## **ABSTRACT**

### **ELECTRIC MOTOR DRIVEN HAND-HELD TOOL**

An electric motor driven hand-held tool, such as a drilling, hammering or screw driving tool having a tool housing within which is located an integrated switch unit (6). The switch unit (6) includes an electronic motor control unit (8), a first actuator which is actuated by a manually operable power member (4) and to which the control unit is responsive to power the motor and a second actuator (10) which is actuated by a manually operable forward/reverse member (14) and to which the control unit is responsive to drive the motor in a selected forward or reverse direction. The forward/reverse member (14) is located remotely from the switch unit (6) on a portion of the tool housing which can be seen by a user of the tool during normal operation of the tool. To facilitate this a linkage arrangement (16) is provided for actuating the second actuator (10) in response to a manual actuation of the forward/reverse member (14). The linkage (16) is pivotally mounted on a closed end of a jam pot motor casing (3). The linkage comprises a central annular portion (18) pivotally mounted on a boss (4) formed on the motor housing (3), a first upwardly extending arm (20) on which the forward/reverse lever (14) is formed and a second downwardly extending arm (22) which engages the second actuator (10).

Figure 3